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(FILE 'HOME' ENTERED AT 15:25:42 ON 28 JUN 2001)

FILE 'CA' ENTERED AT 15:25:46 ON 28 JUN 2001

          E GASSENMEIER THOMAS/IN  
L1          18 S E3  
          E MILLHOFF JUERGEN/IN  
L2          9 S E3-E4  
          E SCHMIEDEL PETER/IN  
L3          15 S E3  
          E VON RYBINSKI WOLFGANG/IN  
L4          28 S E3  
          E KRUPP UTE/IN  
L5          3 S E3  
L6          9566 S (COAT? OR ENCAPSULAT? OR SPRAY? OR OVERSPRAY?) (P) (ALKALI OR  
C  
L7          336 S (COAT? OR ENCAPSULAT? OR SPRAY? OR OVERSPRAY?) (P) (ALKALI OR  
C  
L8          26 S L7 AND (SIZE OR DIAMETER)  
L9          77 S (COAT? OR ENCAPSULAT? OR SPRAY? OR OVERSPRAY?) (10A) (ALKALI  
OR  
L10         73 S L9 NOT L8  
L11         0 S L10 AND (SIZE OR DIAMETER)

FILE 'USPATFULL' ENTERED AT 16:07:05 ON 28 JUN 2001

L12         62 S L9

=> d 1-26 18 ti

L8 ANSWER 1 OF 26 CA COPYRIGHT 2001 ACS  
TI Detergent particle groups and manufacturing methods therefor

L8 ANSWER 2 OF 26 CA COPYRIGHT 2001 ACS  
TI An encapsulated inexpensive crystalline calcium carbonate builder for use in detergent compositions

L8 ANSWER 3 OF 26 CA COPYRIGHT 2001 ACS  
TI Perfume delivery system of release barrier loaded zeolite for granular detergents

L8 ANSWER 4 OF 26 CA COPYRIGHT 2001 ACS  
TI Perfume delivery system of laundry release inhibitor loaded zeolite and its manufacture for granular detergents

L8 ANSWER 5 OF 26 CA COPYRIGHT 2001 ACS  
TI Manufacture of stable granular sodium percarbonate suitable for bleaching agent in detergent compositions

L8 ANSWER 6 OF 26 CA COPYRIGHT 2001 ACS  
TI Detergent compositions with high bulk density and their manufacture

L8 ANSWER 7 OF 26 CA COPYRIGHT 2001 ACS  
TI Powder coatings for components of household electric appliances

L8 ANSWER 8 OF 26 CA COPYRIGHT 2001 ACS  
TI Powder detergent composition for cold water laundering of fabrics

L8 ANSWER 9 OF 26 CA COPYRIGHT 2001 ACS  
TI Detergent compositions

L8 ANSWER 10 OF 26 CA COPYRIGHT 2001 ACS  
TI Detergent additive comprising peroxy acid precursor particles coated with a powdered organic acid

L8 ANSWER 11 OF 26 CA COPYRIGHT 2001 ACS  
TI Manufacture of stable sodium percarbonate, the coated sodium percarbonate obtained, its use as bleaching agent, and bleach detergent compositions

L8 ANSWER 12 OF 26 CA COPYRIGHT 2001 ACS  
TI Manufacture of detergents with high bulk density and good flowability

L8 ANSWER 13 OF 26 CA COPYRIGHT 2001 ACS  
TI Globular bleaching laundry detergent compositions with high bulk density

L8 ANSWER 14 OF 26 CA COPYRIGHT 2001 ACS  
TI Granulated synthetic detergent

L8 ANSWER 15 OF 26 CA COPYRIGHT 2001 ACS  
TI Recovery of polyester from scrap by high shear conditions

L8 ANSWER 16 OF 26 CA COPYRIGHT 2001 ACS  
TI Granular laundry and cleaning agent

L8 ANSWER 17 OF 26 CA COPYRIGHT 2001 ACS

TI Method for retarding gelation of bicarbonate-carbonate-zeolite-silicate  
crutcher slurr

L8 ANSWER 18 OF 26 CA COPYRIGHT 2001 ACS  
TI Fabric washing compositions

L8 ANSWER 19 OF 26 CA COPYRIGHT 2001 ACS  
TI Poly-.alpha.-hydroxyacrylic acid salt granules

L8 ANSWER 20 OF 26 CA COPYRIGHT 2001 ACS  
TI Effect of steel surface preparation on the properties of phosphate  
coatings

L8 ANSWER 21 OF 26 CA COPYRIGHT 2001 ACS  
TI Sodium percarbonate with increased stability in solid bleaching and  
washing compositions

L8 ANSWER 22 OF 26 CA COPYRIGHT 2001 ACS  
TI Disodium nitrilotriacetate compositions for use as detergent additives

L8 ANSWER 23 OF 26 CA COPYRIGHT 2001 ACS  
TI Free flowing, particulate detergent preparation

L8 ANSWER 24 OF 26 CA COPYRIGHT 2001 ACS  
TI Detergents containing enzymes stabilized by agglutination

L8 ANSWER 25 OF 26 CA COPYRIGHT 2001 ACS  
TI Free-flowing, noncaking surface-active compositions

L8 ANSWER 26 OF 26 CA COPYRIGHT 2001 ACS  
TI Cleaning paper-machine felts. II. Chemical methods for removing specific  
plugging materials

L8 ANSWER 11 OF 26 CA COPYRIGHT 2001 ACS  
 AN 120:110047 CA  
 TI Manufacture of stable sodium percarbonate, the coated sodium percarbonate obtained, its use as bleaching agent, and bleach detergent compositions  
 IN Kuroda, Mutsumi; Suzuki, Akira; Kikuchi, Hideo; Saito, Masahiro; Yamaguchi, Nobuyoshi  
 PA Kao Corp., Japan; Nippon Peroxide Co., Ltd.  
 SO Eur. Pat. Appl., 24 pp.  
 CODEN: EPXXDW  
 DT Patent  
 LA English  
 IC ICM C01B015-10  
 ICS C11D017-00; C11D003-39  
 CC 46-6 (Surface Active Agents and Detergents)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	EP 567140	A1	19931027	EP 1993-106629	19930423
	EP 567140	B1	19961009		
	R: DE, ES, FR, GB, IT, NL				
	US 5332518	A	19940726	US 1993-43907	19930407
	JP 06040709	A2	19940215	JP 1993-94464	19930421
	ES 2092718	T3	19961201	ES 1993-106629	19930423
PRAI	JP 1992-104504		19920423		

AB The process comprises treating the surface of the Na percarbonate with  
 (A)

.gtoreq.1 agent selected from boric acid, borates, and alkali metal silicate, and (B) .gtoreq.1 agent selected from carbonates, bicarbonates, and sulfates, wherein .gtoreq.1 of A and B are applied in the form of an aq. slurry. The bleaching compns. comprise a surfactant as essential component and the stable carbonate. The Na percarbonate has excellent stability and preservability. Na percarbonate coated with 5.5-wt.% NaBO<sub>2</sub>.4H<sub>2</sub>O as aq. soln. and 3 wt.% soda ash (particle size 100 .mu.m) had residual available O content 89, vs.78% for Na silicate-coated Na percarbonate.

ST sodium percarbonate coating bleach detergent; metaborate sodium soda ash coating; bicarbonate sodium metaborate coating; magnesium sulfate sodium metaborate coating; stabilizer bleach detergent

IT Stabilizing agents  
 (detergent compns. contg. coated sodium percarbonate and, for stability

and residual available oxygen content)

IT Sequestering agents

Borates

Carbonates, uses

Sulfates, uses

RL: USES (Uses)

(slurries contg., coating with, of sodium percarbonate, for stability and residual available oxygen content)

IT Alcohols, compounds

RL: USES (Uses)

(C12-15, ethoxylated, detergent compns. contg. coated sodium percarbonate and, for stability and residual available oxygen content)

IT Polymers, uses

RL: USES (Uses)

(carboxy-contg., stabilizers, detergent compns. contg. coated sodium percarbonate and, for stability and residual available oxygen content)

IT Dyes

(fluorescent, detergent compns. contg. coated sodium percarbonate and,

for stability and residual available oxygen content)

IT Carbonates, uses  
 RL: USES (Uses)  
 (hydrogen, slurries contg., coating with, of sodium percarbonate, for stability and residual available oxygen content)

IT Amino acids, uses  
 RL: USES (Uses)  
 (polycarboxylic, stabilizers, **detergent** compns. contg. **coated** sodium **percarbonate** and, for stability and residual available oxygen content)

IT 7631-86-9, Silica, uses  
 RL: USES (Uses)  
 (amorphous, detergent compns. contg. **coated** sodium percarbonate and, for stability and residual available oxygen content)

IT 15630-89-4, Sodium percarbonate  
 RL: USES (Uses)  
 (coating of, two-component coating materials for, for stability and residual available oxygen content)

IT 64-02-8, EDTA tetrasodium salt 68-04-2, Trisodium citrate 98-11-3D, Benzenesulfonic acid, C12-18-alkyl derivs., sodium salts 7664-93-9D, Sulfuric acid, C12-18-alkyl esters, sodium salts 7727-73-3, Glauber's salt 7758-29-4, Sodium tripolyphosphate 9002-92-0, Polyoxyethylene dodecyl ether 9004-32-4, Sodium carboxymethylcellulose 10543-57-4, Tetraacetylenediamine 25322-68-3, Polyethyleneglycol 29329-71-3 91125-43-8 119710-96-2  
 RL: USES (Uses)  
 (**detergent** compns. contg. **coated** sodium **percarbonate** and, for stability and residual available oxygen content)

IT 144-55-8, Sodium bicarbonate, uses 497-19-8, Soda ash, uses 1344-09-8,  
 Sodium silicate 7487-88-9, Magnesium sulfate, uses 7757-82-6, Sodium sulfate, uses 10043-35-3, Boric acid, uses 10555-76-7, Sodium metaborate tetrahydrate 16800-11-6, Sodium metaborate dihydrate  
 RL: USES (Uses)  
 (slurries contg., coating with, of sodium percarbonate, for stability and residual available oxygen content)

IT 37956-57-3, Sodium poly(.alpha.-hydroxyacrylate) 60472-42-6, Acrylic acid-maleic acid copolymer sodium salt  
 RL: USES (Uses)  
 (stabilizer, **detergent** compns. contg. **coated** sodium **percarbonate** and, for stability and residual available oxygen content)

IT 13598-36-2D, Phosphonic acid, org. derivs., salts  
 RL: USES (Uses)  
 (stabilizers, **detergent** compns. contg. **coated** sodium **percarbonate** and, for stability and residual available oxygen content)

L10 ANSWER 20 OF 73 CA COPYRIGHT 2001 ACS

AN 125:171597 CA

TI Bleaching agent compositions containing stabilized sodium percarbonate particles

IN Inonami, Mieko; Matsunaga, Satoshi; Mukoyama, Koji

PA Lion Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C11D003-395

ICS C11D007-54; C11D011-02; D06L003-02

ICI C11D007-54, C11D007-18, C11D001-04, C11D001-24

CC 46-6 (Surface Active Agents and Detergents)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 08157876	A2	19960618	JP 1994-329538	19941202
OS	MARPAT 125:171597				
AB	Title storage-stable compns. for laundry <b>detergents</b> contain (A) Na <b>percarbonate</b> (I) particles, which are sep. <b>sprayed</b> with silicate salt solns. and <b>boric acid</b> or borate salt solns. and dried to form coatings, and (B) R1CO2C6H4SO3M or R2CO2C6H4CO2M (R1 = C10-18 alkyl, alkenyl; R2 = C7-18 alkyl, alkenyl; M = anion giving water soly.) as activators. Thus, aq. boric acid and aq. water glass were successively sprayed onto I particle and dried, then 50 parts of the resulting coated particle was mixed with 10 parts Na p-dodecanoyloxybenzenesulfonate and other additives to give title compn., which was left in a glass bottle at 25-45.degree. and relative humidity 60-85% for 30 days to show 99% retention of active O.				
ST	bleaching compn sodium percarbonate stabilized; laundry <b>detergent</b> bleaching agent stability; <b>boric acid coating</b> sodium <b>percarbonate</b> ; silicate salt coating sodium percarbonate; alkanoyloxybenzenesulfonate salt activator peracid bleaching; alkanoyloxybenzoate salt activator peracid bleaching; storage stability bleaching agent				
IT	Bleaching agents (laundry bleaching agents contg. stabilized sodium percarbonate particles and activators)				
IT	51889-11-3, Sodium p-hexanoyloxybenzenesulfonate			56670-30-5	
	56670-31-6				
	56955-75-0, p-Hexanoyloxybenzoic acid		86960-46-5	89740-13-6	
	90293-84-8	90293-85-9	114808-03-6	142942-54-9	160541-71-9
	160541-72-0	164460-15-5	172284-81-0	172284-85-4	175596-78-8
	RL: MOA (Modifier or additive use); USES (Uses) (activators; laundry bleaching agents contg. stabilized sodium percarbonate particles and activators)				
IT	4452-58-8, Sodium percarbonate				
	RL: TEM (Technical or engineered material use); USES (Uses) (particles; laundry bleaching agents contg. stabilized sodium percarbonate particles and activators)				
IT	1344-09-8, Water glass		10043-35-3, Boric acid,	uses	
	RL: MOA (Modifier or additive use); USES (Uses) (stabilizers; laundry bleaching agents contg. stabilized sodium percarbonate particles and activators)				